

ABSTRACT

5 A roll forming apparatus for rolling a selected material
around a cylindrical core. The apparatus comprises a core
support, a roll support means, and a material supply
means. The core support is for supporting the
cylindrical core. The core support has an associated
core rotation means for rotating the core about a core
rotation axis at a controllable rotation rate. The roll
10 support means supports a plurality of forming rolls
positioned to surround the core about the core rotation
axis. The roll support means has a roll control means
operable to both radially position the plurality of
forming rolls relative to the core rotation axis and to
15 constrain the plurality of forming rolls to be equally
spaced from the core rotation axis, in order to provide
integrated adjustment of the plurality of forming rolls
to control a radial dimension of a substantially
symmetrical forming space defined by the plurality of
20 forming rolls. The material supply means is for
supplying the selected material to the core at a material
supply rate, and has an associated material supply
control means for controlling the material supply rate.